

Instruction Manual

VFD Reactor/Filter Installation

This document provides general guidance on handling accessories commonly used with Variable Frequency Drives (VFDs), including reactors, filters, braking resistors, and brake units. **It is not a substitute for the drive's official instruction manual. Always refer to the drive manufacturer's manual for wiring diagrams, parameter settings, and safety procedures.**

1. Safety Notice

- Always disconnect and lock out power before installing or servicing any VFD accessories.
- Ensure proper grounding of all components.
- Confirm voltage and current ratings are appropriate for your system.
- Wear appropriate personal protective equipment (PPE).

For full safety and electrical specifications, consult the VFD's manual.

2. Installation Overview

- **Mounting:** Secure components to a flat, stable surface with sufficient airflow around the unit.
- **Location:** Place accessories close to the drive, in a well-ventilated and dry environment.
- **Orientation:** Install per any labeling or orientation arrows; avoid installing upside-down or sideways unless specified.

Refer to the drive manual for mechanical clearance and placement best practices.

3. Electrical Connection Guidance

- Follow all wiring instructions in the drive manual.
- Connect reactors and filters in series with power lines or motor leads as required.
- Ensure resistor or braking unit connections match specified terminals on the drive.
- Double-check torque specifications and cable sizes from the drive manual.

Warning: *Improper connection may result in equipment damage or personal injury. Refer to the VFD manual for proper terminal assignments and fuse ratings.*

4. Commissioning Basics

- Perform a visual inspection of all connections before powering up.
- Use the drive's parameters menu to enable or configure accessory-related features (if applicable).
- Test the system at low speed/load before full operation.

Note: *Specific parameter codes, tuning options, or fault monitoring settings are provided in the VFD's instruction manual only.*

5. Maintenance Reminders

- Check accessories periodically for overheating, dust buildup, or corrosion.
- Retighten terminals if necessary and inspect insulation.
- Replace braking resistors if they exhibit signs of damage or measure out of tolerance.

Follow maintenance intervals and troubleshooting procedures described in the drive manual.